

**LEAD BASED PAINT REMOVAL
SPECIFICATIONS**

FOR:

**130 CEDAR STREET
NEW YORK, NY 10006**

PREPARED FOR:

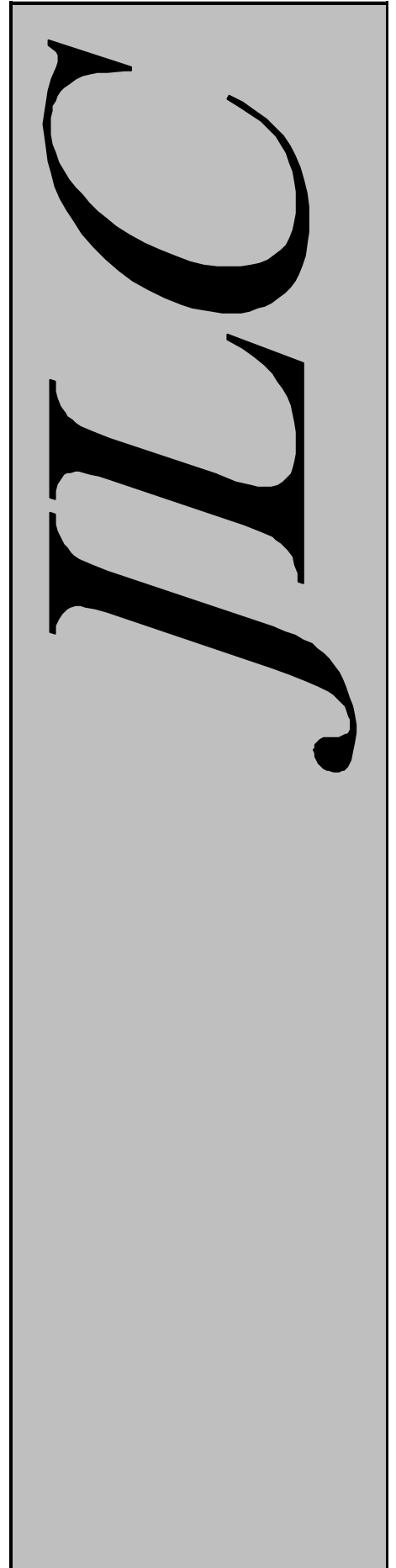
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JLC PROJECT # 04-3271

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SECTION 02085

LEAD BASED PAINT REMOVAL

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PART 1-GENERAL

1.01 INTRODUCTION

- A. This document addresses environmental, administrative and engineering controls to be undertaken by the contractor when disturbing any building component coated with paint containing lead at levels greater than or equal to 1.0 mg/cm² (Lead Based Paint).

1.02 GENERAL PROVISIONS

- A. All work which disturbs surfaces that are coated with lead based paint must be performed in accordance with the Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulation (CFR) Part 1926.62, Lead Exposure in Construction; EPA 40 CFR Part 745 Lead; Requirements for Lead-Based Paint Activities in Target Housing and Child-Occupied Facilities, Final Rule; the New York State Department of Health Rules & Regulations and the New York State Department of Environmental Conservation (NYSDEC) code 6 New York Code of Rules & Regulations (NYCRR) subparts 371-376. In addition, all other applicable federal, state and local codes, rules and regulations must be adhered to by the Contractor.
- B. The Contractor shall be aware that Lead Based Paint has been identified within the proposed demolition project and must be familiar with the OSHA lead in construction standard and its requirements. In addition, all waste generated as part of the renovation project should be tested in order to determine the classification of the waste. The United States Environmental Protection Agency (USEPA) defines Hazardous Waste as waste containing the minimum concentration of a particular contaminant identified by the Toxicity Characteristic Leaching Procedure (TCLP). The USEPA regulatory level for lead (EPA Code: D008) is 5 PPM (parts per million).
- C. The Contractor shall supply all equipment and materials necessary to perform the work. All electrical power (including Ground Fault Circuit Interrupters for the HEPA vacuums, temporary lighting and any other electrical needs) shall be supplied by the Contractor.

1.03 SCOPE OF WORK

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- A. The scope of work includes the removal of lead based paints from the following building components that will be disturbed by the proposed demolition/renovation activities.

Approximate Lead Paint quantity schedules are presented on the following table:

<u>LOCATION</u>		COMPONENT	XRF RESULTS (mg/cm ²)	LBP QUANTITY	<u>NOTES</u>
Date of Inspection: March 23, 2004					
10	Ground Floor	Pillar	1	50 SF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
20		Service elevator Door	2	20 SF	
23		Elevator	1	50 SF	
24		Door Frame	1	20 SF	
26	Stairway Between 1 st and 2 nd Floor	Railing	2.2	120 LF	
41	2 nd Floor	Service Elevator Door	1.4	20 SF	
42		Passage Elevator Door	1.7	15 SF	
48		St. Door C	2.2	10 SF	
56	4 th Floor	Service Elevator Door	1	20 SF	
57		Passage Elevator Door	1	20 SF	
63		St. Door C	1	20 SF	
65		St. Door B	1	20 SF	
74	Stairway Between 4 th and 5 th Floor	Rail	2	120 LF	
78		Stair Tread	1	80 SF	
79		Stand Pipe Valve	8.5	20 SF	
80		Stairs to Elevator	2.6	60 SF	

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LOCATION		COMPONENT	XRF RESULTS (mg/cm²)	LBP QUANTITY	NOTES
Date of Inspection: May 25, 2004					
10	Room #1- Basement	Lower Wall	1	1,050 SF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
13		Upper Wall	1	1,050 SF	
15		Door	2.2	30 SF	
16		Door Frame	2.6	18 LF	
17		Door	1	30 SF	
18		Door Frame	1.6	18 LF	
19		Pipe	1	80 LF	
20		Hand Rail	2.6	30 LF	
21	Room #1- Basement	Stair Tread	1	80 SF	
22		Stair Riser	1	80 SF	
24	Room #2 – Boiler Room	Wall	1	400 SF	
25			1	400 SF	
26			1	400 SF	
27			1	400 SF	
29	Room #2 – Boiler Room	Door	1	30 SF	
30		Door Frame	1	18 LF	
34		Pipe	1	200 LF	
35		Electrical Conduit	1	15 LF	
44	Room #3 – Oil Tank Room	Pipe	1	200 LF	
50	Room #5 – Basement	Door (Large)	>9.9	30 SF	
51		Door Frame (Large)	1	25 LF	
52		Door	1	30 SF	
53		Door Frame	1	18 LF	
54		Column	1	60 SF	
55		Pipe (Large)	1	200 LF	
56		Pipe (Small)	1.7	300 LF	
59		Ladder	1	10 SF	
62	Ground Level/ Landing Dock	Upper Wall	1	1050 SF	
69		Door Frame (Large)	1	25 LF	
71		Door Frame	1	18 LF	
73		Lower Wall	2.1	1050 SF	
Date of Inspection: May 26, 2004					
18	Room #5 – Basement	Electrical Panel	1	7 SF	Remove and dispose lead paint components
23	Room #6 – Basement	Door	1	30 SF	
24		Door Frame	1	18 LF	
39	Room #8 – Basement	Ladder	4	10 SF	

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<u>LOCATION</u>		COMPONENT	XRF RESULTS (mg/cm ²)	LBP QUANTITY	<u>NOTES</u>
40	Room #8 – Basement	Door	1	30 SF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
41		Door Frame	1	18 LF	
47	Room #9 – Basement	Door	1	30 SF	
48		Door Frame	1	18 LF	
49		Door	1	30 SF	
50		Door Frame	1	18 LF	
53	Room #9 – Basement	Sprinkler	1	400 LF	
54		Hand Rail	2.3	20 LF	
55		Stair Tread	1	200 SF	
62	Room #10 – Basement	Door	1	30 SF	
63		Door Frame	1	18 LF	
74	Room #11 – Basement	Closet Door	1	30 SF	
82	Room 13 - Basement	Wall	1	1050 SF	
85		Wall	1	1050 SF	
86		Ceiling	1	20,000 SF	
87		Door	1	30 SF	
88		Door Frame	1	18 LF	
89		Post	1	10 LF	
91		Electrical Conduit	1	10 LF	
93		Column	1	150 SF	
99	Room #1 – Staircase #1	Door	1	30 SF	
100		Door Frame	1	18 LF	
101		Door	1	30 SF	
102		Door Frame	1.7	18 LF	
103		Pipe (Large)	1	50 LF	
104		Pipe (Small)	1	50 LF	
105		Hand Rail	1.9	20 LF	
106		Stair Tread	1	200 SF	
107		Stair Riser	1	200 SF	
108		Floor	1.4	100 SF	
109		Ladder	1	20 SF	
114	Room #2 – Men's Bathroom	Lower Wall	1	200 SF	
115		Lower Wall	1	200	
116		Lower Wall	1	200 SF	
117		Lower Wall	1	200 SF	
119		Sewer Pipe	1	50 LF	
120		Post	1	10 LF	
121		Air Duct	1	50 SF	
124		Pipe Riser	1	30 LF	

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<u>LOCATION</u>		COMPONENT	XRF RESULTS (mg/cm²)	LBP QUANTITY	<u>NOTES</u>
125	Room #2 – Men's Bathroom	Pipe Riser Ret.	1.6	15 LF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
126		Slop Sink	1	16 SF	
127		Baseboard	4.4	60 SF	
129		Door	1	30 SF	
130		Door Frame	1.6	18 LF	
140	Room #3 – Open Space	Wall	1	2100 SF	
145		Door	1.6	30 SF	
146		Door Frame	2	18 LF	
147		Freight ELDR	1	35 SF	
148		Freight ELDF	1	20 LF	
149		Service Door	2.2	30 SF	
150		Service Door Buck	1	18 LF	
152		Passenger ELDF	1.8	20 LF	
154		Column	1	200 SF	
156		Pipe Riser	1	20 LF	
157		Window Frame	1	TBD	
159		Radiator	1.9	600 SF	
161	Room #4 – Men's Bathroom	Wall	1	200 SF	
165		Door	1	30 SF	
166		Door Frame	2.3	18 LF	
167		Service Door	1.5	30 SF	
168		Service Door Buck	1	18 LF	
170		Pipe Riser Return	1	20 LF	
173	Room #5 – Staircase #2	Sewage Pipe	1	25 LF	
180		Wall	1	125 SF	
182		Exit Door	1	30 SF	
183		Exit Door Frame	1	18 LF	
184		Pipe	1	25 LF	
185		Hand Rail	1	20 LF	
188	Room #6 – Exterior Landing of Staircase B	Exit Door	1.8	30 SF	
189		Exit Door Frame	2.2	18 LF	
190		Exit Door	1	18 LF	
191	Room #6 – Exterior Landing of Staircase B	Exit Door Frame	1.5	18 LF	
192		Hand Rail	2.4	20 LF	
193	Room #1 – Open Space (5 th Fl.)	Wall	1	2100 SF	
197		Ceiling	1	20,000 SF	
198		Door	1.9	30 SF	

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<u>LOCATION</u>		COMPONENT	XRF RESULTS (mg/cm ²)	LBP QUANTITY	<u>NOTES</u>
Date of Inspection: May 27, 2004					
10	Room #1 – Open Area	Door Frame	2	18 LF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
11		Freight Elev. Door	1	38 SF	
12		Freight Elev. Dr Fr.	1	22 SF	
13		Service Door	1.4	30 SF	
14		Service Door Frame	1	18 LF	
16		Passenger Eldf	1	22 SF	
24		Radiator	1	600 SF	
31	Room #2 – Staircase #1	Door Frame	1	18 LF	
33		Door Frame	1.5	18 LF	
36		Stair Tread	2	120 SF	
37		Hand Rail	1	20 LF	
57	Room #3 – Men's Bathroom	Column	1	30 LF	
60	Room #4 – Hallway to Staircase	Wall	1	100 SF	
61		Wall	1.6	100 SF	
65		Exit Door Frame	1	18 LF	
69		Door Frame	1	18 LF	
77	Room #5 – Women's Bathroom	Service Door Frame	1	18 LF	
80		Pipe Riser	1	18 LF	
84	Room #6 – Exterior Landing	Door Frame	1.5	18 LF	
86		Door Frame	1	18 LF	
87		Hand Rail	1	20 LF	
93	Room #7 – Staircase #2	Pipe	6.1	30 LF	
96		Door	1	30 SF	
97		Door Frame	1	18 LF	
103	Room #1 – Staircase #1	Door	1	30 SF	
108		Hand Rail	1	20 LF	
109		Stair Tread	1	200 SF	
119	Room #2 – Men's Bathroom	Door Frame	1	18 LF	
129		Baseboard	3.6	60 SF	
140	Room #3 – Open Area	Wall	1	2100 SF	
141		Wall	1.3	2100 SF	
142		Wall	1	2100 SF	
145		Door	1.5	30 SF	

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<u>LOCATION</u>		COMPONENT	XRF RESULTS (mg/cm²)	LBP QUANTITY	<u>NOTES</u>
146	Room #3 – Open Area	Door Frame	1.4	18 LF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
147		Freight Eldr	1	49 SF	
148		Freight Eldf	1	20 LF	
150		Passenger Eldf	1	20LF	
151		Door Frame	1.4	18 LF	
152		Service Door	1.6	30 LF	
153		Service Door Frame	1	18 LF	
157		Radiator	5.3	600 SF	
161		Column	1	200 SF	
162	Room #4 – Hallway to 2 nd Staircase	Wall	1	225 SF	
163		Wall	1	225 SF	
168		Door Frame	2	18 LF	
169		Door	7.7	30 SF	
170		Door Frame	1	18 LF	
171		Exit Door	1.3	30 SF	
172		Exit Door Frame	1	18 LF	
177	Room #5 – Women's Bathroom	Door	7.4	30 SF	
183	Room #6 – Exterior Landing	Door	1	30 SF	
184		Door Frame	1	18 LF	
185		Door	1	30 SF	
186		Door Frame	1.4	18 LF	
192	Room #7 – Staircase #2	Door	1	30 SF	
193		Door Frame	1	18 LF	
195		Hand Rail	1	20 LF	
204	Room #1 – Staircase #1	Door Frame	1	18 LF	
209		Hand Rail	1	20 LF	
210		Stair Tread	1	200 SF	
211		Floor	1	150 SF	
224	Room #3 Open Area	Service door Frame	1	18 LF	
227		Door Frame	1	18 LF	
228		Window Frame	1		
244	Room #4 – Hallway to 2 nd Street	Door Frame	1	18 LF	
248		Exit Door Frame	1	18 LF	
261	Room #5 – Women's Bathroom	Baseboard	3.5	60 SF	

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<u>LOCATION</u>		COMPONENT	XRF RESULTS (mg/cm²)	LBP QUANTITY	<u>NOTES</u>
266	Room #6 – Exterior Landing	Door	1.3	30 SF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
267		Door Frame	1.5	18 LF	
268		Door	1	30 SF	
269		Door Frame	1	18 LF	
270		Hand Rail	1	20 LF	
276		Hand Rail	1	20 LF	
280	Room #7 – Staircase #2	Door Frame	1	18 LF	
Date of Inspection: May 28, 2004					
6	Room 3 – Open Space	Wall	2.02	2100 SF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
8		Door	1.83	30 SF	
9		Door Frame	2.26	18 LF	
10		Freight ELDR	1.76	35 SF	
11		Freight ELDF	1.55	20 LF	
12		Service Door	2.06	30 SF	
13	Room 3 – Open Space	Service Door Frame	1.63	18 LF	
15		Passenger ELDF	1.67	20 LF	
16		Door Frame	2.33	18 LF	
17		Window Frame	3.39		
33	Room #4 – Hallway to 2 nd Staircase	Door Frame	1.56	18 LF	
34		Exit door	1.73	30 SF	
35		Exit Door Frame	1.43	18 LF	
37		Door Frame	1.38	18 LF	
53	Room #1 – Staircase # 13	Hand Rail	2.62	20 LF	
61	Room #2 – Men's Bathroom	Door Frame	2.23	18 LF	
76	Room #5 – Women's Bathroom	Door frame	1.39	18 LF	
77		Service Door	1.27	30 SF	
78	Room #5 – Women's Bathroom	Service Door Frame	1.16	18 LF	
84	Room #6 – Exterior Landing	Door Frame	2.4	18 LF	
85		Door	1.87	30 SF	
86		Door Frame	2.01	18 LF	
88		Pipe	4.12	15 LF	
99	Room #7 – Stair # 2 (B)	Door Frame	0.99	18 LF	
125	Room #2 – Men's Bathroom	Sink	30.72	20 SF	

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LOCATION		COMPONENT	XRF RESULTS (mg/cm ²)	LBP QUANTITY	NOTES
148	Room #4 – Hallway to 2 nd Staircase	Wall	1.76	250 SF	Remove and dispose of lead coated components and materials and scrape loose and flaking paint as per Specification 02085
149		Wall	2.15	200 SF	
152		Wall	2.3	200 SF	
156		Door	1.19	30 SF	
157		Door Frame	1.07	18 LF	
159		Exterior Door Frame	1.23	18 LF	
174	Room #5 – Women's Bathroom	Toilet	5.1	40 SF	
175		Sink	32.1	30 SF	
179	Room #6 – Exterior Landing	Door	1.27	30 SF	
181		Door	1.66	30 SF	
182		Door Frame	1.51	18 LF	
183		Hand Rail	2.81	20 LF	
190	Room #7 – 2 nd Staircase	Door Frame	1.02	18 LF	
Date of Inspection: June 1, 2004					
5	Roof	Door	1.04	30 SF	Remove and dispose of lead coated components and materials and scrape loose and flaking paint as per Specification 02085
6		Door Frame	2.43	18 LF	
10		Vent Support	5.1	200 SF	
13		Ladder	3.27	30 SF	
14		Vent Pipe	2.42	50 SF	
17		Pipe Vent	2.62	30 SF	
19	Bulkhead	Water Tower Support	5.1	250 SF	
20		Ladder	5.1	30 SF	
28	Roof Tank Room	Tank	1.51		
35	Room #2 Old Office Space	Pipe	2.58	80 LF	
38		Door Frame	0.97	18 LF	
56	Roof Landing	Post	2.17	10 LF	
57		Hand Rail	1.78	20 LF	
72	2 nd FL-RM#1- Stair Case #	Hand Rail	2.39	20 LF	
78		Door Frame	1.72	18 LF	
79		Door	1.01	30 SF	
80		Door Frame	1.25	18 LF	
93	12 th FI Rm #2 Men's Bathroom	Baseboard	4.43	60 SF	
95		Pipe	17.36	30 LF	
107	12 th FI Rm #3 Open Space	Radiator	0.99	600 SF	

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<u>LOCATION</u>		COMPONENT	XRF RESULTS (mg/cm²)	LBP QUANTITY	<u>NOTES</u>
114	12 th Fl Rm #4 Hall 2 nd S/case	Exit Door Frame	2.31	18 LF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
115		Door	2.18	30 SF	
116		Door Frame	2.02	18 LF	
119	12 th Fl Exterior	Window Lintel	17.27	16 SF	
129	11 th Fl. Rm #1 Stair Case #1	Hand Rail	2.37	20 LF	
136	11 th Fl Rm #2/ Men's Bathroom	Wall	1.24	120 SF	
138		Baseboard	5.1	60 SF	
143		Toilet	9.13	40 SF	
164	11 th Fl Rm #4/ Hall 2 nd S/case	Exit Door	2.28	30 SF	
165		Exit Door Frame	2.51	18 LF	
166		Door	1.8	30 SF	
167		Door Frame	2.06	18 LF	
170	11 th Fl Rm#4/Hall – 2 nd S/case	Door Frame	2.36	18 LF	Remove and dispose of lead coated components and materials and scrape and stabilize loose and flaking paint as per Specification 02085
171	11 th Fl Rm#5/ Ladies Bathroom	Wall	1.18	120 SF	
173		Wall	1.65	120 SF	
174		Wall	1.35	120 SF	
179		Baseboard	5.1	60 SF	
182		Door	1.48	30 SF	
183		Door Frame	1.64	18 LF	
186	11 th Floor Exterior	Window Lintel	5.1	16 SF	
191	10 th Fl Rm #2/ Staircase #2	Hand Rail	2.34	20 LF	
206	10 th Fl Rm #2/ Men's Bathroom	Baseboard	5.1	60 SF	
211		Sink	10.6	20 SF	
233	10 th Fl Rm #4 Hall – 2 nd S/case	Exit Door	1.35	30 SF	
245	10 th Fl Rm #5/ Ladies Bathroom	Baseboard	6.09	60 SF	
249		Toilet	5.1	60 SF	
250		Sink	10.9	30 SF	
254	10 th Floor Exterior	Window Lintel	10.84	16 SF	

1.04 SUBMITTALS: The following items must be submitted by the Contractor to Masterworks Development Corp and/or its selected representative(s) at least two (2) weeks prior to project mobilization:

A. Medical Surveillance:

1. The contractor shall submit proof of a Medical Surveillance Program for all employees who may be exposed to lead during the course of the work. This program shall comply with 29 CFR Part 1926.62. This includes copies of medical records and blood test results of workers to be utilized on the project, as performed by an occupational physician or medical doctor, and appropriate laboratory.

B. Respiratory Protection Program:

1. The Contractor shall submit for approval a written Respiratory Protection Program for employees throughout all phases of the job, including make, model and National Institute of Occupational Safety & Health (NIOSH) approval number of the respirators to be used, as 29 required by CFR 1926.62 and 29 CFR 1910.134.
2. The Contractor shall submit for approval proof of successful fit testing performed by a qualified individual within the previous six (6) months, for each employee to be used on this project along with the employee's name and social security number on each record.

C. Training:

1. The Contractor shall submit certification that the job supervisor/foreperson and each worker has successfully completed a Lead Hazard - Awareness training course in accordance with the 29 CFR Part 1926.62 that includes instruction on the dangers of lead exposure, respirator use, decontamination and applicable regulations.

D. Written Compliance Program:

1. The Contractor shall submit for approval a Written Compliance Program that complies with 29 CFR Part 1926.62.

E. Exposure Assessment:

1. The Contractor shall submit an exposure assessment plan as per OSHA 29 CFR 1926.62 and objective data demonstrating that the demolition operation(s) cannot result in employee exposure to airborne lead at or above the action level. The Contractor shall ensure that workers are not exposed to lead at concentrations greater than the Permissible Exposure Limit (PEL) of 50 micrograms per cubic meter (ug/cm) over an eight-hour (8) time weighted average (TWA).
2. The Contractor shall provide the name of the individual(s) or firm

conducting the exposure monitoring and laboratory providing analytical services. The laboratory must be ELAP certified by the NYS DOH.

F. Disposal:

1. Contractor shall submit a letter from a permitted Hazardous Waste Facility, stating that the facility has agreed to accept the waste generated by the work; is authorized to accept the waste under the laws of the State of residence; has the required capacity to treat and dispose of the material; and will provide or ensure the ultimate disposal method indicated on Uniform Hazardous Waste Manifest.
2. Contractor shall submit a letter from a licensed scrap metal dealer, stating that the facility will accept coated metal containing lead, and that the dealer will recycle this material. This may be in the form of a letter from the company on their letterhead. In addition, Contractor shall submit a Bill of Lading for the recycled material.
3. Contractor shall submit a Waste Transporter Permit, confining the requirements of 6NYCRR Parts 371-376, to haul to the selected Waste Disposal Facility.
4. Contractor shall submit a statement from the selected Waste Disposal Facility that the waste containers proposed for use are acceptable to the facility.
5. Contractor shall submit a copy of the Hazardous waste manifest signed by the transporter and the Treatment, Storage and Disposal (TSD) facility accepting the waste.

1.05 CONTRACTOR QUALIFICATIONS

- A. Work shall be performed by a firm having not less than two (2) years successful experience in comparable projects which require OSHA 29 CFR Part 1926.62 compliance and employ personnel who have received lead hazard awareness training from either an accredited lead paint training center or recognized environmental training center specializing in lead hazard awareness training.

1.06 RECORDKEEPING

- A. Contractor shall comply with 29 CFR Part 1926.62 for record-keeping of all exposure monitoring, medical surveillance and other data used in conducting the employee exposure assessment to be established and maintained. These records be kept for 30 years in accordance with 29 CFR 1910.20 and also provides employees access to such records.

1.07 HOUSEKEEPING

- A. All surfaces shall be maintained free of accumulation of lead dust generated

during demolition activities.

- B. If applicable, separate and deposit all lead waste, including sealing tape, plastic sheeting, mop heads, sponges filters, and disposable clothing in double polyethylene bags of at least six (6) mils thick and seal each bag separately.
- C. No equipment, supplies or materials (except properly containerized waste materials) shall be removed from the project work area unless such equipment, supplies and/or materials have been cleaned free of lead debris.

1.08 HYGIENE

- A. Contractor shall provide hygiene facilities and assure employee compliance with basic hygiene practices. This provision is recognized as an industrial hygiene tool for minimizing additional sources of lead absorption from inhalation or ingestion of lead that accumulates on a worker's hand, face or body. Hand washing facilities are to be provided for all employees occupationally exposed to lead in accordance with 29 CFR 1926.62.

1.09 PERSONAL AIR MONITORING

- A. Contractor shall perform representative personal air sampling data as defined within 29 CFR 1926.62. During the first day of demolition of components with coating containing detectable levels of lead, the Contractor shall conduct initial exposure monitoring in order to establish a Time Weighted Average (TWA) exposure. TWA's shall be performed on a representative number of employees who are reasonably expected to have the highest exposure levels for each individual task. Such samples shall be collected within the appropriate breathing zone and used to determine if an upgrade in respirator requirements is needed and to determine the frequency of future air monitoring.
- B. Results of the monitoring shall be available in writing within two (2) working days.

NOTE: Prior to receiving initial air monitoring data, the Contractor shall assume results are at or above the OSHA Permissible Exposure Limit (PEL) and protect employees accordingly.

- C. The Contractor shall be responsible for performing personal air monitoring on 25% of the workers that will be exposed to an activity that may potentially produce the highest concentrations of airborne lead.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Contractor shall furnish, provide and utilize all tools and equipment necessary to perform the project.

PART 3 - EXECUTION

3.01 PREPARATION

A. General:

1. Work area protection shall be maintained for the duration of the project with the intent to protect all individuals and property outside the work area from spray mist, falling debris, residue, etc.
2. Masterworks Development Corp and/or their representative(s) will inspect the preparation to ensure that the requirements of this document are met.

B. Barriers:

1. Wooden horse barriers and warning tape shall be placed around the work area at all access points to prevent unauthorized access to the work area. Additionally, the work areas shall be isolated in such a manner as to prevent the escape of any dust, spray mist and debris from the work area. This isolation shall include but not be limited to the removal from service all HVAC servicing the work area, erection of a dust control barrier surrounding the work area, sealing of all HVAC registers and seating of all penetrations into the work. Access to the work area shall be through a series of curtained doorways with a walk off dust collection pad.

C. Signs:

1. Warning signs shall be placed on the outside of the barriers specified in 3.0 1 (B) 4 herein and shall read as follows:

**WARNING
POISON
LEAD WORK AREA
NO SMOKING OR EATING**

2. The signs must be in English and Spanish and any other language deemed necessary by the Masterworks Development Corp. These signs shall remain in place for the duration of the project.

D. Ground Cover:

1. The ground surrounding the area where active demolition is taking place shall be covered with a minimum of one layer of 6-mil polyethylene sheeting. Such sheeting shall extend, where feasible, a minimum of 10 feet from the component(s) undergoing demolition.
2. The Contractor shall construct a raised beam designed to capture and contain all water runoff.

E. Hand Washing:

1. Hand washing facilities shall be made available to all workers.

3.02 EXECUTION

1. All work must be performed in accordance with Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulation (CFR) Part 1926.62, and all applicable local, state and federal regulations.
2. At the end of the demolition project, have a certified inspector technician or risk assessor conduct a clearance examination and provide appropriate documentation or statements of lead-based paint compliance.

3.03 WORK AREA CLEAN-UP

- A. Clean-up procedures shall utilize HEPA-filtered vacuum systems and/or wet methods, such as mopping, wet wiping, shoveling of wet debris, etc. No dry sweeping of dust, particulate matter or debris is allowed during any phase of the work affecting lead-coated surfaces. Cleaned surfaces must meet HUD EPA reoccupancy standard for lead in dust.

3.04 DISPOSAL: Disposal of Non-hazardous construction and demolition debris.

- A. The Contractor shall conduct the Mass Balance TCLP Testing for lead to categorize the proposed waste strewn prior to initiation of work. If the test results indicate that the waste strewn meets the requirements for disposal as non-hazardous construction and demolition debris the contractor will be provided with the necessary documentation for disposal.

3.05 DISPOSAL: Disposal of hazardous waste.

- A. The Contractor shall conduct TCLP testing of all waste generated during the demolition of components coated with detectable levels of lead.
- B. All waste shall be kept drummed, secured, labeled and stored in a designated secured storage space on site until test results categorize all waste to be hazardous or non-hazardous.
- C. The lead based waste media or other debris must be stored in a manner that will not allow entry of any hazardous material into the environment. Leak-proof drums or portable bins, such as gondolas, are generally acceptable. The lids of the drums, or the covers of the bins, must be firmly secured. The containers must be kept out of flood plains or areas where run-off may occur. Weather resistant labels using indelible ink warning of the potential hazards associated with the material must be placed on the containers. The containers should be marked with the contents, tare weights of the containers, and the origin and date of collection of the material. The containers must be keyed to the samples taken.
- D. All waste, after being evaluated in accordance with the Toxicity Characteristic Leaching Procedure (TCLP) test, shall be disposed of in accordance with all

applicable Local, Federal, State and/or County Regulations.

- E. Refer to Part 4 of this document for all-applicable testing and disposal standards and regulations. All laboratory analysis shall be conducted in an expeditious manner, with results not to exceed 48 hours turnaround.

The following is an example of the proper placard and labeling requirements:

<u>FORM-E : HAZARDOUS WASTE</u>		
FEDERAL LAW PROHIBITS IMPROPER DISPOSAL IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY U.S. ENVIRONMENTAL PROTECTION AGENCY		
PROPER D.O.T.		
SHIPPING NAME <u>HAZARDOUS WASTE SOLID N.O.S. D008/NA 9189</u>		
MANIFEST DOCUMENT		
GENERATOR		
ADDRESS		
CITY	STATE	ZIP
EPA ID NO.	MANIFEST NO.	
DATE OF ACCUMULATION		
EPA WASTE NO.		
<u>CONTAINS HAZARDOUS OR TOXIC WASTE</u> <u>HANDLE WITH CARE</u>		

- F. The Contractor, shall represent that the entity, providing waste transportation services shall possess a valid Waste Hailer's permit issued pursuant to the New York State Department of Environmental Conservation (NYSDEC) regulations, 6 NYCRR Part 364. In addition, if the waste is to be transported and disposed of out of New York State, permits from those states through which the waste will be transported and for where it will be disposed may be required. It is the responsibility of the Contractor to determine which permits are required and to provide such permits for review and approval of Masterworks Development Corp.
- G. The site where waste is stored must be secure. Storage sites must be on well-drained ground that is not subject to flooding (40 CFR Part 264.18). The containers must be arranged so that the labels are visible at all times. The site must be adequately protected from vandalism or unauthorized access by the public (40 CFR Part 264.14).

- H. Additional Disposal Requirements:

1. The Contractor shall warrant and represent that all entities and/or individuals involved in the work shall possess all permits and/or licenses required under the Resource Conservation and Recovery Act (RCRA) as well as any other federal, state or local permits or licenses required for removal, packaging, transportation and disposal of hazardous waste.
2. All hazardous waste materials removed hereunder must be lawfully treated and disposed by the Contractor at an Environmental Protection Agency (EPA) permitted Treatment, Storage and Disposal Facility (TSD).
3. All wastes, drums, and other items removed hereunder must be lawfully treated and disposed of by Contractor within sixty (60) days after removal from the site. The Contractor shall provide completed shipping documents for all hazardous waste removed, which contain the information required under 40 CFR Part 262 Subpart B (hereinafter the "Manifest Form") and 6 NYCRR Part 372 as well as all Certificates of Disposal, which specify where each component of all wastes removed from the 130 cedar street is ultimately treated or disposed. Such Certificates shall include references to the Manifest Form for the shipment as well as address and EPA identification numbers for the generator facility.
4. The building owner prior to any delivery of waste shall approve all TSD facilities or transporters that the Contractor intends to use to treat and/or dispose of hazardous waste picked up hereunder for use by Contractor to such TSD facility. The Masterworks Development Corp and its Consultant reserve the right to inspect the Contractors transporters, equipment, equipment storage facility and TSD facility at any time.

Should any problems arise regarding the TSD facility chosen to accept the waste for treatment and disposal that would require the return of waste to building owner's property, or should such TSD facility have violated any environmental law or regulation which would result in any regulatory enforcement action, the Contractor shall immediately notify Masterworks Development Corp. in writing of such situation, identify an alternative TSD and obtain written approval from the Masterworks Development Corp for disposal at such TSD.

5. The Contractor shall provide completed shipping documents, hereinafter refer-red to as "Bills of Lading", for all non-hazardous "industrial" waste removed from Masterworks Development Corp. A Bill of Lading must accompany each waste shipment and must include information regarding the quantity and type of waste being removed, the destination and disposal firm accepting the waste, the waste transporter name, and the date of removal from Masterworks Development Corp.

LIST OF SUBMITTAL

SUBMITTAL

DATE SUBMITTED

DATE APPROVED

Pre-Project Submittal:

1.	Medical Surveillance Program	_____	_____
2.	Proof of a respiratory protection program.	_____	_____
2.	Supervisor/Worker Training Certification	_____	_____
4.	Compliance Program	_____	_____
5.	OSHA Exposure Assessment Plan	_____	_____
6.	Proof that a landfill site has been located.	_____	_____
6.	Proof of a Scrap Metal Dealer	_____	_____
8.	Proof of Waste Transporter	_____	_____
9.	Proof of Acceptable Waste Containers	_____	_____
10.	MSDS of chemicals to be used on this project.	_____	_____
11.	Lead Removal and Disposal Work Plan	_____	_____
10.	Contractor Qualifications	_____	_____

During Work Submittal:

- | | | | |
|----|--|-------|-------|
| 1. | Schedule of Work Changes | _____ | _____ |
| 2. | Notarized copy of weekly payroll showing a prevailing wage rate has been paid. | _____ | _____ |
| 3. | A "Request For Services" form. | _____ | _____ |
| 4. | Results of all air monitoring performed by the Contractor (OSHA) | _____ | _____ |
| 5. | A certified, signed, and completed copy of each "Waste Shipment Record" form | _____ | _____ |
| 6. | A copy of the bound log book | _____ | _____ |

Post Project Submittal:

- | | | | |
|----|--|-------|-------|
| 1. | A notarized "Release of Liens" | _____ | _____ |
| 2. | Proof of payment of prevailing wage rate | _____ | _____ |
| 3. | Notarized copies of a daily log. | _____ | _____ |
| 4. | Compilation in chronological order of all air monitoring records pertaining to this project. | _____ | _____ |
| 5. | Compilation of all completed and signed Waste Shipment Record forms. | _____ | _____ |
| 6. | Copies of notifications to applicable agencies. | _____ | _____ |
| 7. | Paid invoice verifications for sub-contractor (for Time and Material job), service contract agreement, Insurance certificates, and other Submittal required for the Specification. | _____ | _____ |